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<b>INFORMATION DISCLOSURE STATEMENT</b>  <i>(Use several sheets if necessary)</i>				<b>ATTY. DOCKET NO.</b> 1999U26.US-CON3		<b>SERIAL NO.</b> 10/635,864	
				<b>APPLICANT</b> LOVEDAY et al.			
				<b>FILING DATE</b> August 6, 2003		<b>GROUP</b> 1796	

  

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	US 2001-0029232	10/2001	Eisen et al.			
	AB	US 2001-0031695	10/2001	Loveday et al.			
	AC	US 2002-0103071	08/01/2002	Oskam			
	AD	US 2002-0107137	08/08/2002	Peterson et al.			
	AE	US 2002-0111443	08/15/2002	Szul et al.			
	AF	US 2002-0119890	08/29/2002	Wenzel et al.			
	AG	US 4057565	11/08/1977	Manzer			
	AH	US 4748221	05/31/1988	Collomb et al.			
	AI	US 4789359	12/06/1988	Sawada			
	AJ	US 4789714	12/06/1988	Cozewith et al.			
	AK	US 4923833	05/08/1990	Kioka et al.			
	AL	US 5283278	02/01/1994	Daire et al.			
	AM	US 5290745	03/01/1994	Jorgensen et al.			
	AN	US 5317036	05/31/1994	Brady, III et al.			
	AO	US 5318935	06/07/1994	Canich et al.			
	AP	US 5426243	06/20/1995	Lecouve			
	AQ	US 5506184	04/09/1996	Kissin et al.			
	AR	US 5608019	03/04/1997	Cheruvu et al.			
	AS	US 5622906	04/22/1997	Pettijohn			
	AT	US 5637660	06/10/1997	Nagy et al.			

  

FOREIGN PATENT DOCUMENTS								
	DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION		
						YES	NO	
	AU	DE 2332890						
	AV	EP 0197310	10/15/1986	EP				
	AW	EP 0241560	10/21/1987	EP				
	AX	EP 0593083	04/20/1994	EP				
	AY	EP 0668295	06/1998	EP				
	AZ	EP 0751142	01/02/1997	EP				
	BA	EP 0803520	12/16/1998	EP				
	BB	EP 0816372 A2	01/07/1998	EP				

  

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)		
	BC	BAUMAN et al., Synthesis of Titanium and Zirconium Complexes That Contain the Tridentate Diamido Ligand, $[(t\text{-Bu-}d_5)\text{N-}o\text{-C}_6\text{H}_4)_2\text{O}]^2\text{-}(\{\text{NON}\}^2\text{-})$ and the Living Polymerization of 1-Hexene by Activated $[\text{NON}]\text{ZrMe}_2$ , <i>J. Am. Chem. Soc.</i> 1997, 119, 3830-3831

  

EXAMINER	DATE CONSIDERED
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BD	US 5643846	07/01/1997	Reddy et al.			
	BE	US 5672669	09/30/1997	Wasserman et al.			
	BF	US 5674796	10/07/1997	Lee et al.			
	BG	US 5693727	12/02/1997	Goode et al.			
	BH	US 5705578	01/06/1998	Peifer et al.			
	BI	US 5707913	01/13/1998	Schlund et al.			
	BJ	US 5726115	03/10/1998	Horton et al.			
	BK	US 5723399	03/03/1998	Takemoto et al.			
	BL	US 5747620	05/05/1998	Machida et al.			
	BM	US 5756727	05/26/1998	Beller et al.			
	BN	US 5763549	06/09/1998	Elder et al.			
	BO	US 5798427	08/25/1998	Foster et al.			
	BP	US 5854166	12/29/1998	Marks et al.			
	BQ	US 5889128	03/30/1999	Schrock et al.			
	BR	US 5895771	04/20/1999	Epstein et al.			
	BS	US 5955555	09/21/1999	Bennett			
	BT	US 6090739	07/18/2000	Riedel et al.			
	BU	US 6180731	01/30/2001	Rohde et al.			
	BV	US 6187940	02/13/2001	Chen et al.			
	BW	US 6191239	02/20/2001	Ford et al.			
	BX	US 6194520	02/27/2001	Cheruvu et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES   NO
	BY	EP 0816384	01/07/1998	EP			
	BZ	EP 0874005	10/28/1998	EP			
	CA	EP 0890575	01/13/1999	EP			
	CB	EP 0893454 A1	01/27/1999	EP			
	CC	EP0279863	10/14/1992	EP			
	CD	JP 07-118317	05/09/1995	JP			
	CE	JP 09-278823	10/28/1997	JP			
	CF	JP 10-007712	01/13/1998	JP			
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
	CG	BEI et al., Synthesis, Structures, Bonding, and Ethylene Reactivity of Group 4 Metal Alkyl Complexes Incorporating 8-Quinolinolato Ligands, <i>Organometallics</i> 1997, 16, 3282-3302					
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CH	US 6211111	04/03/2001	Chen et al.			
	CI	US 6214760	04/10/2001	Chen et al.			
	CJ	US 6225421	05/01/2001	Promel et al.			
	CK	US 6225424	05/01/2001	Nishikawa et al.			
	CM	US 6255419	07/03/2001	Imuta et al.			
	CN	US 6265505	07/24/2001	McConville et al.			
	CO	US 6271323	08/07/2001	Loveday et al.			
	CP	US 6271325	08/07/2001	McConville et al.			
	CQ	US6274684	08/14/2001	Loveday et al.			
	CR	US 6291614	09/18/2001	Chen et al.			
	CS	US 6294495	09/25/2001	Matsunaga			
	CT	US 6300438	10/09/2001	McConville			
	CU	US 6300439	10/09/2001	McConville			
	CV	US 6303807	10/16/2001	Bertrand et al.			
	CW	US 6316549	11/13/2001	Chum et al.			
	CX	US 6333389	12/25/2001	Whiteker et al.			
	CY	US 6380328	04/30/2002	McConville et al.			
	CZ	US 6399722	06/04/2002	Szul et al.			
	DA	US 6403181	06/11/2002	Barry et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	DB	JP 10-298216	11/10/1998	JP				
	DC	JP 10-330416	12/1998	JP				
	DD	JP 10-45904	02/17/1998	JP				
	DE	JP 11-049813	02/23/1999	JP				
	DF	JP 2-78663	03/19/1990	JP				
	DG	JP 8-277307	10/26/1996	JP				
	DH	JP 8-81415	07/31/1996	JP				
	DI	RU 2126424	02/20/1999	RU				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	DJ	Böhm, Ludwig L., et al. "High-Density Polyethylene Pipe Resins" Advanced Materials 4 no. 3, pages 234-238 (1992)
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DK	US 6417304	07/09/2002	McConville et al.			
	DL	US 6534604	03/08/2003	Loveday et al.			
	DM	US 6656866	12/02/2003	Wenzel et al.			
	DN	US 6689847	02/10/2004	Mawson et al.			
	DO	US 6696537	02/24/2004	McConville et al.			
	DP	US 6703338	03/09/2004	Holtcamp et al.			
	DQ	US 6841631	01/11/2005	Loveday et al.			
	DR	US 6894128	05/17/2005	Loveday et al.			
	DS	US6723808	04/20/2004	Holtcamp			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES   NO
	DT	WO 91/12285	08/22/1991	PCT			
	DU	WO 92/12162	07/23/1992	PCT			
	DV	WO 94/21700	09/29/1994	PCT			
	DW	WO 96/08498	03/21/1996	PCT			
	DX	WO 97/02294	01/23/1997	PCT			
	DY	WO 97/42197	11/13/1997	PCT			
	DZ	WO 97/45434	12/04/1997	PCT			
	EA	WO 97/46599	12/11/1997	PCT			
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
	EB	Clark, Cloke, Hitchcock, Love and Wainwright "Titanium (IV) complexes incorporating the aminodiamide ligand . . ." (1995) pp. 333-340					
	EC	Cloke, Hitchcock and Love "Zirconium Complexes incorporating the New Tridentate Diamide Ligand . . ." (1995) pp. 25-30					
	ED	Di Silvestro, Sozzani and Terragni "Polymerization of propene with enantiomorphic site catalysts, 1 (1996) pp. 3209-3228					
	EE	Eskelinen, Mari, et al., "Effect of Polymerization Temperature on the Polymerization of Ethylene with Dicyclopentadienylzirconiumdichloride/Methylalumoxane Catalyst" Eur. Polym. J. Vol. 32 No. 3 pages 331-335 (1996)					
	EF	Fuhrmann, Brenner, Arndt and Kempe "Octahedral Group 4 Metal Complexes That Contain Amine, Amido, and Aminopyridinato Ligands: Synthesis, Structure, and Application in a-Olefin Oligo- and Polymerization" (1996) pp. 6742-6745					
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES   NO
	EH	WO 97/48735	12/24/1997	PCT			
	EI	WO 97/48736	12/24/1997	PCT			
	EJ	WO 98/27124	06/25/1998	PCT			
	EK	WO 98/30569	07/16/1998	PCT			
	EL	WO 98/30612	07/16/1998	PCT			
	EM	WO 98/34964	08/13/1998	PCT			
	EN	WO 98/37106	01/27/1999	PCT			
	EO	WO 98/37109	08/27/1998	PCT			
	EP	WO 98/46651	10/22/1998	PCT			
	EQ	WO 98/55467	12/10/1998	PCT			
	ER	WO 99/01460	08/27/1998	PCT			
	ES	WO 99/02472	01/21/1999	PCT			
	ET	WO 99/02536	01/21/1999	PCT			
	EU	WO 99/12981	03/18/1999	PCT			
	EV	WO 99/46303	09/16/1999	PCT			
	EW	WO 99/46304	09/16/1999	PCT			
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
	EX	Guerin, Del Vecchio and McConville "Ortho-substituted aryl diamido complexes of zirconium: observation of rotameric isomers" (1998) pp. 917-923					
	EY	Guerin, McConville and Payne "Conformationally Rigid Diamide Complexes: Synthesis and Structure of Titanium (IV) Alkyl Derivatives" (1996) pp. 5085-5089					
	EZ	Guerin, McConville and Vittal "Conformationally Rigid Diamide Complexes of Zirconium: Electron Deficient Analogues of CpsZr" (1996) pp. 5586-5590					
	FA	Guerin, McConville Vittal and Yap "Synthesis, Structure, and Reactivity of Zirconium Alkyl Complexes Bearing Ancillary Pyridine Diamide Ligands" (1998) pp. 5172-5177					
	FB	Harkonen et al., "Synthesis, crystal structure and characterization of the heterometallic tetranuclear butterfly cluster . . ." (1995) pp. 205-208					
EXAMINER				DATE CONSIDERED			
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	FC						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES   NO
	FD	WO 97/19959	06/05/1997	PCT			
	FE	WO 97/44371	11/27/1997	PCT			
	FF	WO 98/34961	08/13/1998	PCT			
	FG	WO 99/03899	01/28/1999	PCT			
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
	FH	Horton, de With, van der Linden and van de Weg "Cationic Alkylzirconium Complexes Based on a Tridentate Diamide Ligand: New Alkene Polymerization Catalysts" (1996) pp. 2672-2674					
	FI	Kang, Kap Ku, et al. "The Synthesis and Polymerization Behavior of Bimetallic Pyridine Diamine Complexes, Containing Transition Metal (Ti, Zr)" Journal of Polymer Science: Part A: Polymer Chemistry, Vol 37, pages 3756-3762 (1999).					
	FJ	L. Liang et al., J. Am. Chem. Soc., vol. 121, no. 24, pp. 5797-5798 (1999)					
	FK	Munoz-Escalona et al., Development of Supported Single-Site Catalysts and Produced Polyethylene, Metalorganic Catalysts for Synthesis and Polymerisation, Recent Results by Ziegler-Natta and Metallocene Investigations, pp. 381-396.					
	FL	Repo, Klinga, Pietikainen and Leskela "Ethylenebis(salicylideneiminato)zirconium Dichloride: Crystal Structure and Use as a Heterogeneous Catalyst in the Polymerization of Ethylene" (1997) pp. 171-175					
	FM	Scollard and McConville "Living Polymerization of $\alpha$ -Olefins by Chelating Diamide Complexes of Titanium" (1996) pp 10008-10009					
	FN	Wang, Friedrich, younkin, Li, Grubbs, Bansleben and Day "Neutral Nickel (II)-Based Catalysts for Ethylene Polymerization (1998) pp. 3149-3151					
	FO	Chen et al., "Cocatalysts for Metal-Catalyzed Olefin Polymerization: Activators, Activation Processes, and Structure-Activity Relationships, Chem. Rev. (2000), 100, 1391-1434					
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